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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO. 20488/26-DIV		SERIAL NO. 09/682,968	
				APPLICANTS: Hans-Ulrich Demuth, et al.			
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UNITED STATES PATENT DOCUMENTS							
EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR	CLASS	SUB CLASS	FIL. DATE IF APPR
mm	*	2,961,377	Nov 1960	Shapiro, et al.	167	65	
	*	3,960,949	June 1976	Ahrens, et al.	260	564B	
	*	5,433,955	July 1995	Brededorst, et al.	424	94.3	
	*	5,614,379	March 1997	MacKellar	435	68.1	
	*	5,624,894	April 1997	Bodor	514	2	
FOREIGN PATENT DOCUMENTS							
	*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN Y/N
	*	0 658 568 A1	12.2.94	EPO	C07K	14/605	Y
	*	EP 0 708 179 A2	10.13.95	EPO	C12N	15/16	Y
	*	WO 97/40832	11.6.97	PCT	A61K	31/425	Abstract Only
	*	WO 95/15309	6.8.95	PCT	C07D	207/16	Y
	*	JP 4334357 A2	11.20.92	JP	C07C	233/57	Abstract Only
	*	WO 95/29691	11.9.95	PCT	A61K	83/00	Y
	*	WO 98/22494	5.28.98	PCT	C07K	005/00	Y
	*	WO 00/53171	9.14.00	PCT	A61K	31/155	Y
	*	FR 2696740	10.13.92	FR	C07D	207/404	N
	*	FR 2085665	3.3.71	FR	A61K	27/00	N
	*	DT 25 42598 A1	10.11.74	DE	C07C	129/16	N
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	*	Campbell, I.W., "Sulphonylureas and metformin: efficacy and inadequacy," 3:33-51 (1990).					
	*	Merck Index, 11 th Edition, page 934, 1989.					
	*	Martindale the Extra, Pharmacopoeia, Page 1619, 1996.					
Examiner: mm					Date: 6/20/02		



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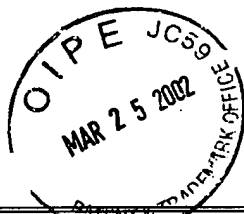
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MM		4,935,493	June 1990	Bachovchin, et al.	530	331	
		6,006,753	Dec 1999	Efendic	128	898	
		5,512,549	April 1996	Chen, et al.	514	12	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN Y/N
	*	DD 296 075	11.21.91	DD	C07D	295/04	N
	*	WO 93/08259 A2	4.29.93	PCT	C12N	15/16	Y
	*	WO 95/11689	5.4.95	PCT	A61K	37/00	Y
	*	WO 97/45117	12.4.97	PCT	A61K	31/435	Y
		DE 19616486	10.30.97	DE	A61K	39/395	N
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	*	J. Lin, et al., "Inhibition of dipeptidyl peptidase IV by fluoroolefin-containing n-peptidyl-O-hydroxylamine peptidomimetics," Proceedings of the National Academy of Sciences of USA, Vol. 95, November 1998 (1998-11) pp. 14020-14024.					
	*	Korom, S., et al., "Inhibition of CD26/dipeptidyl peptidase IV activity in vivo prolongs cardiac allograft survival in rat recipient," Transplantation Vol. 63, p. 1495-1500, No. 10, May 27, 1997.					
	*	Tanaka, S., et al., "Suppression of arthritis by the inhibitors of dipeptidyl peptidase IV," Int. J. Immunopharmacol., Vol. 19, No. 1, pp. 15-24 (1997).					
	*	Mentlein, R., et al., "Proteolytic processing of neuropeptide Y and peptide YY by dipeptidyl peptidase IV," Regul. Pept. 49, (1993) pp. 133-144.					
	*	Wetzel, W., et al., "Effects of the CLIP fragment ACTH 20-24 on the duration of REM sleep episodes," Neuropeptides, 31, (1), pp. 41-45 (1997).					
	*	Wakselman, M., et al., "Inhibition of HIV-1 infection of CD 26 ⁺ but not CD26 ⁻ cells by a potent cyclopeptidic inhibitor of the DPP IV activity of CD26," Abstract P44 of the 24 th European Peptide Symposium 1996.					
	*	Willms, B., et al., "Gastric Emptying, Glucose Response, and Insulin Secretion after a Liquid Test Meal: Effects of Exogenous Glucagon-Like Peptide-1 (GLP-1)-(7-36) Amide in Type 2 (Noninsulin-Dependent) Diabetic Patients," JCEM 81:327-332 (1996) No. 1.					
	*	Arai, H., et al., "Synthesis of prolyl endopeptidase inhibitors and evaluation of their structure-activity relationships: in vitro inhibition of prolyl endopeptidase from canine brain," Chemical and Pharmaceutical Bulletin, Vol. 41, Nr. 9, 1993, pp. 1583-1588.					
Examiner:				Date: 6/20/02			

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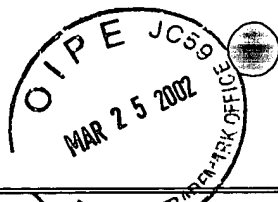
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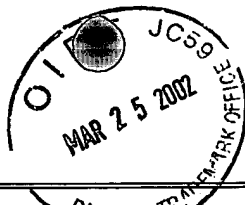


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	*	Amasheh, S., et al., "Electrophysiological analysis of the function of the mammalian renal peptide transporter expressed in <i>Xenopus Laevis</i> oocytes," J. Physiol. 504, pp. 169-174 (1997).					
	*	Chemical Abstracts, vol. 115, No. 15. 14.October 1991 (1991-10-14) Columbus Ohio, US; abstract no. 149947q, Schoen Ekkehard, et al., "Dipeptidyl peptidase IV in the immune system. Effects of specific enzyme inhibitors on activity of dipeptidyl peptidase IV and proliferation of human lymphocytes," Seite 37; XP002114197 Zusammenfassung & Biol. Chem. Hoppe-Seyler, BD. 372, Nr. 5, 1991, Seiten 305-311.					
	*	Chemical Abstracts, vol. 126, No. 2, 13. January 1997 (1997-01-13) Columbus, Ohio, US; abstract no. 16161j, Stoeckel, A., et al., "Competitive inhibition of proline specific enzymes by amino acid thioxopyrrolidides and thiazolidides," Seite 241; XP002114198 Zusammenfassung & PEPT: Chem., Struct. Biol., Proc. Am.Pept.Symp., Nr. 14, 1995, Seiten 709-710.					
	*	Chemical Abstracts, vol. 118, No. 25, 21. June 1993 (1993.6.21) Columbus, Ohio, US; abstract No. 255342k, Seite 933, XP002114199 Zusammenfassung & JP 04 334357 A (Fujerebio Inc) 20. November 1992 (1992.11.20).					
	*	Thorens, B., et al., "Glucagon-Like Peptide-I and the Control of Insulin Secretion in the Normal State and in NIDDM," Diabets 42:1219-1225 (1993).					
	*	Orskov, C., et al., "Proglucagon Products in Plasma of Noninsulin-dependent Diabetics and Nondiabetic Controls in the Fasting State and After Oral Glucose and Intravenous Arginine," J. Clin. Invest. 87:415-423 (1991).					
	*	Pauly, R., et al., "Improved Glucose Tolerance in Rats Treated with the Dipeptidyl Peptidase IV (CD26) Inhibitor ILE-Thiazolidide," Metabolism 48:385-389 (1999).					
	*	Winslow, R., "Novartis Drug Alters Picture for Diabetes," Wall Street Journal, Wed., December 27, 2000, p. B2.					
	*	Hendrick, G.K., et al., "Glucagon-Like Peptide-I-(7-37) Suppresses Hyperglycemia in Rats," Metabolism Vol. 42, No. 1, pg. 1-6 (Jan. 1993).					
	*	Deacon, C., et al., "Degradation of Glucagon-Like Peptide-1 by Human Plasma in Vitro yields an N-Terminally Truncated Peptide that is a Major Endogenous Metabolite in Vivo," (April 25, 1995).					
Examiner:					Date: 6/20/02		


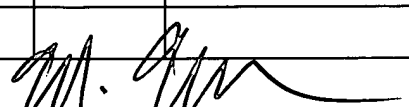


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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	*	Hoffman, T., et al., "Inhibition of Dipeptidyl Peptidase IV (DPIV) by anti-DP IV antibodies and non-substrate X-X-Pro-Oligopeptides Ascertained by Capillary Electrophoresis," Journal of Chromatography A, 716, pp. 355-362 (1995).					
	*	Nauck, M.A., et al., "Normalization of Fasting Hyperglycaemia by Exogenous Glucagon-Like Peptide 1 (7-36 Amide) in type 2 (Non-insulin-dependent) Diabetic Patients," Diabetologia 36:741-744 (1993).					
	*	Gutniak, M.K., et al., "Subcutaneous Injection of the Incretin Hormone Glucagon-Like Peptide 1 Abolishes Postprandial Glycemia in NIDDM," Diabetes Care 17:1039-1044, (September 1994).					
		Ansorge, S., et al., "Membrane-bound peptidases of lymphocytes: Functional implications," Biomed. Biochim. Acta 50 (1991) 4-6, pp. 799-807.					
		Demuth, Hans-Ulrich, "Recent Developments in Inhibiting Cysteine and Serine Proteases," J. Enzyme Inhibition, 1990, Vol. 3, pp. 249-278.					
		Dodge, R.W., et al., "Folding and Unfolding Kinetics of the Proline-to-Alanine Mutants of Bovine Pancreatic Ribonuclease A," Biochemistry 1996, 35, pp. 1548-1559.					
		Gomez, S., et al., "Relationship between endo- and exopeptidases in a processing enzyme system: Activation of an endoprotease by the aminopeptidase B-like activity in somatostatin-28 convertase," Proc. Natl. Acad. Sci. USA, Vol. 85 pp. 5468-5472, August 1988.					
		Hegen, M., et al., "The T Cell Triggering Molecule Tp103 is Associated with Dipeptidyl Aminopeptidase IV Activity," The Journal of Immunology, vol. 144, pp. 2908-2914, No. 8, April 15, 1990.					
		Ishiura, S., et al., "Identification of a putative amyloid A4-generating enzyme as a prolyl endopeptidase," Federation of European Biochemical Societies, Vol. 260, No. 1, pp. 131-134, January 1990.					
		Krausslich, Hans-Georg, et al., "Viral Proteinases," Ann. Rev. Biochem. 1988, 57 pp. 701-754.					
		Mentlein, R., et al., "Dipeptidyl-peptidase IV hydrolyses gastric inhibitory polypeptide, glucagon-like peptide-1 (7-36) amide, peptide histidine methionine and is responsible for their degradation in human serum," Eur. J. Biochem., 214, pp. 829-835 (1993).					
		Pederson, R.A., et al., "Improved Glucose Tolerance in Zucker Fatty Rats by Oral Administration of the Dipeptidyl Peptidase IV Inhibitor Isoleucine Thiazolidide," Diabetes, Vol. 47, August 1998 pp. 1253-1258.					
		Vanhoof, G., et al., "Proline motifs in peptides and their biological processing," The FASEB Journal, Vol. 9, June 1995, pp. 736-744.					
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		Walter, R., et al., "Proline Specific Endo- and Exopeptidases," Molecular & Cellular Biochemistry, Vol. 30, No. 2, April 18, 1980, pp. 111-127					
		Kessler, Von Horst, "Konformation und biologische Wirkung von cyclischen Peptiden," Angew. Chem. 94 (1982) pp. 509-520.					
		Kirschke, H., et al., "Proteinases I: lysosomal cysteine proteinases," Protein Profile, Vol. 2, Issue 14, 1995, pp. 1583-1634.					
		Yaron, A., et al., "Proline-Dependent Structural and Biological Properties of Peptides and Proteins," Critical Reviews in Biochemistry and Molecular Biology, 28(1), pp. 31-81 (1993).					
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